

A Antiinflammatory

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Dosage	References
(+)-ALPHA-VINIFERIN	--	*
(+)-CATECHIN	IC50=40-943 uM (cf indomethacin IC50=1 uM)	*
(+)-EUDESMA-4(14),7(11)-DIENE-3-ONE	--	*
(+)-HERNANDEZINE	--	*
(+)-PSEUDOEPHEDRINE	--	*
(-)-16,17-DIHYDROXY-16BETA-KAURAN-19-OIC	300 ppm	*
(-)-ALPHA-BISABOLOL	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
(-)-BETONICINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
(-)-BORNYL-CAFFEATE	--	*
(-)-BORNYL-FERULATE	--	*
(-)-BORNYL-P-COUMARATE	--	*
(-)-EPICATECHIN	--	*
(1'S)-1'-ACETOXYCHAVICOL-ACETATE	--	*
(E)-4-(3',4'-DIMETHOXYPHENYL)-BUT-3-EN-OL	ED84=300 mg/kg	*
1,7-BIS-(4-HYDROXYPHENYL)-1,4,6-HEPTATRIEN-3-ONE	--	*
1,8-CINEOLE	--	*
10-ACETOXY-8-HYDROXY-9-ISOBUTOXY-6-METHOXYTHYMOL	50 mg/kg ip/rat	*
10-DEHYDROGINGERDIONE	> indomethacin	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
10-GINGERDIONE	> indomethacin	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
13',II8-BIAPIGENIN	>3/4 indomethacin	*
13-OXYINGENOL-ESTER	--	*
16,17-DIHYDROXY-16BETA-KAURAN-19-OIC	300 ppm	*
16-HYDROXYINGENOL-ESTER	--	*
2'-O-GLYCOSYLVITEXIN	--	Fitoterapia No.61: 263, 1990.
2-BETA,3BETA-27-TRIHYDROXYOLEAN-12-ENE-23,28-DICARBOXYLIC-ACID	--	*
20-DEOXYINGENOL-ESTER	--	*
22BETA-ESCI	--	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
24-METHYLENE-CYCLOARTANOL	--	*
3,4-METHYLENE-DIOXYCINNAMIC-ACID-BORNYL-ESTER	--	*

Chemical	Dosage	References
3,4-SECOTRITERPENE-ACID-20-EPI-KOETJAPIC-ACID	IC50=0.5-1.9 uM	Muhammad, I., El Sayed, K. A., Mossa, J. S., Al-Said, M. S., El-Feraly, F. S., Clark, A. M., Hufford, C. D., Oh, S., Mayer, A. M. 2000. Bioactive 12- Oleanene Triterpene and Secotriterpene Acids from <i>Maytenus undata</i> . <i>J. Natural Products</i> , 63(5): 605-610.
3-ACETYLACONITINE	--	*
3-BETA-HYDROXY-2,3-DIHYDROWITHANOLIDE-F	5 x phenylbutazone	*
3-N-BUTYL-PHTHALIDE	--	*
3-O-ACETYLOLEANOLIC-ACID	--	*
3-OXO-11-ALPHA-HYDROXYOLEAN-12-ENE-30-OIC-ACID	IC50=3.2-3.6 uM	Muhammad, I., El Sayed, K. A., Mossa, J. S., Al-Said, M. S., El-Feraly, F. S., Clark, A. M., Hufford, C. D., Oh, S., Mayer, A. M. 2000. Bioactive 12- Oleanene Triterpene and Secotriterpene Acids from <i>Maytenus undata</i> . <i>J. Natural Products</i> , 63(5): 605-610.
3-OXO-11-ALPHA-METHOXYOLEAN-12-ENE-30-OIC-ACID	IC50=5-15 uM	Muhammad, I., El Sayed, K. A., Mossa, J. S., Al-Said, M. S., El-Feraly, F. S., Clark, A. M., Hufford, C. D., Oh, S., Mayer, A. M. 2000. Bioactive 12- Oleanene Triterpene and Secotriterpene Acids from <i>Maytenus undata</i> . <i>J. Natural Products</i> , 63(5): 605-610.
3-OXO-OLEAN-9(11),12-DIENE-30-OIC-ACID	IC50=>100 uM	Muhammad, I., El Sayed, K. A., Mossa, J. S., Al-Said, M. S., El-Feraly, F. S., Clark, A. M., Hufford, C. D., Oh, S., Mayer, A. M. 2000. Bioactive 12- Oleanene Triterpene and Secotriterpene Acids from <i>Maytenus undata</i> . <i>J. Natural Products</i> , 63(5): 605-610.
4-VINYL-GUAIACOL	--	*
5,7-DIMETHOXYFLAVONE	--	*
5-DEOXYINGENOL-ESTER	--	*
6,7-DIMETHYLAESCULETIN	--	*
6,7-DIMETHYLESCULETIN	--	*
6-DEHYDROGINGERDIONE	> indomethacin	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
6-DEOXYJACAREUBIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
6-GINGERDIONE	> indomethacin	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
6-O-(2"-ACETYL-3",4"-O-DI-P-METHOXYCINNAMOYL-ALPHA-L-RHAMNOPYRANOSYL)-CATALPOL	#NAME?	*
6-O-(4"-ACETYL-2",3"-O-DI-P-METHOXYCINNAMOYL-ALPHA-L-RHAMNOPYRANOSYL)-CATALPOL	#NAME?	*
7-METHOXYSKIMARIN	--	Shimizu,*M., et al. 1990. Anti-inflammatory Constituents of Topically Applied Crude Drugs. IV.1) Constituents and Anti-inflammatory Effect of Paraguayan Crude Drug 'Alhucema' (<i>Lavandula latifolia Vill.</i>)2). <i>Chem. Pharm. Bull.</i> 38(8): 2283-2284, 1990.
8-ACETYLHARPAGIDE	IC50=19.5 uM	Benito, P. B., Lanza, A. M. D., Sen, A. M. S., Galindez, J. D., Matellano, L. F., Gomez, A. S., Martinez, M. J. A. 2000. Effects of some iridoids from plant origin on arachidonic acid metabolism in cellular systems. <i>Planta Medica</i> , 66(4): 324-328.
8-O-CINNAMOYLHARPAGIDE	--	<i>Planta Medica</i> , 55(7): 626.
ABRINE	--	*
ACANTHOIC-ACID	--	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
ACETYL-11-KETO-BETA-BOSWELLIC-ACID	2 uM	Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
ACETYL-BETA-BOSWELLIC-ACID	7 uM	Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
ACETYLSALICYLIC-ACID	452 mg/kg orl rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook</i> . (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
ACETYLSHIKONIN	--	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.
ACONITINE	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Chemical	Dosage	References
ACTINIDOLES	--	*
AESCN	orl	*
AESCULETIN	IC50=0.1-5 uM	*
AESCULIN	--	*
AJOENE	--	*
ALANTOLACTONE	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
ALKANNIN	--	*
ALLANTOIN	--	*
ALLICIN	--	*
ALPHA-AMYRIN	IC71=1,000 ppm orl	*
ALPHA-AMYRIN-ACETATE	--	*
ALPHA-AMYRIN-PALMITATE	56-66 mg/kg orl rat	*
ALPHA-BISABOLOL	--	*
ALPHA-BOSWELLIC-ACID	--	*
ALPHA-CURCUMENE	--	*
ALPHA-LINOLENIC-ACID	IC50=42 uM	*
ALPHA-PEROXYACHIFOLIDE	--	Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.
ALPHA-PINENE	500 mg/kg	*
ALPHA-SPINASTEROL	>Phenylbutazone	*
ALPHA-TERPINEOL	--	*
AMENTOFLAVONE	>3/4 indomethacin	*
AMYGDALIN	--	*
ANDROGRAPHOLIDE	--	*
ANETHOLE	--	*
ANNOMONTINE	--	Grenand, P., Moretti, C., and Jacquemin, H. 1987. <i>Pharmacopees Traditionnelles en Guyane</i> . I'ORSTROM, Paris. 569 pp.
ANTHOCYANINS	--	*
ANTHOCYANOSIDE	50-500 mg/kg orl	*
ANTHRANILIC-ACID	--	*
APIGENIN	#NAME?	*
APIGENIN	IC~65=1,000 uM	*
APIGENIN-7-GLYCOSIDE	--	Wichtl, M. 1984. <i>Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart</i> . 393 pp.
APIGENIN-7-O-GLUCOSIDE	--	*
APIGENIN-DIMETHYL-ETHER	--	*
APOCYNIN	--	*
AR-TURMERONE	IC50=3.2-5.6 ug/ml	*
ARBORININE	--	Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
ARISTOLOCHIC-ACID	--	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.

Chemical	Dosage	References
ARTABSin	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ARTECANIN	--	*
ARTEMETIN	30-150 mg/kg	*
ARVENOSIDE-A	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ASCORBIC-ACID	--	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
ASIATICOSIDE	--	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
ASPERULOSIDE	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
ASPIRIN	452 mg/kg (orl rat)	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
ASPIRIN (ACETYLSALICYLIC-ACID; NOT NATURAL)	452 mg/kg (orl rat)	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
ASTRAMEMBRANIN-I	--	*
ASTRINGENIN	IC50=45 uM	*
ATRACTYLENOLIDE	--	*
ATRACTYLENOLIDE-I	100 mg/kg	Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
ATRACTYLENOLIDE-II	100 mg/kg	Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
ATRACTYLENOLIDE-III	300 mg/kg	Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
ATRACTYLOCHROMENE	--	*
ATRACTYLON	--	*
AUCUBIN	IC50=12-72 uM	*
AUCUBIN	1/2 indomethacin	*
AXILLARIN	1/2 indomethacin	Planta Medica, 57: A131, 1991.
AZULENE	--	Pakistan Encyclopedia Planta Medica. 1986.
BAICALEIN	IC28=20 mg/kg scu rat	*
BAICALEIN	IC50=0.1-5 uM	*
BAICALEIN-5,6,7-TRIHYDROXY-FLAVONE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
BAICALIN	IC37=10 mg/kg scu rat	*
BAOHUOSIDE-1	--	*
BARBATOSIDE-A	--	*
BARBATOSIDE-B	--	*
BARTSIOSIDE	IC50=4.3 uM	Benito, P. B., Lanza, A. M. D., Sen, A. M. S., Galindez, J. D., Matellano, L. F., Gomez, A. S., Martinez, M. J. A. 2000. Effects of some iridoids from plant origin on arachidonic acid metabolism in cellular systems. Planta Medica, 66(4): 324-328.
BASSIC-ACID	--	*
BAVACHININ	--	*

Chemical	Dosage	References
BAYACHININE	ED=20-100 ipr, 50-200 orl	*
BENZOXAZINOIDS	--	Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
BENZOYLACONINE	--	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
BERBAMINE	--	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
BERBERASTINE	--	*
BERBERINE	--	*
BERGAPTEN	--	*
BERGENIN	#NAME?	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
BETA-AESCI	--	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
BETA-AMYRIN	--	*
BETA-AMYRIN-ACETATE	--	*
BETA-BOSWELLIC-ACID	5 uM	Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
BETA-DAMASCENONE	--	*
BETA-ESCI	--	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
BETA-HIMACHALINE	--	*
BETA-PINENE	--	*
BETA-SANTALENE	--	*
BETA-SITOSTEROL	--	*
BETA-SITOSTEROL-3-O-BETA-D-GLUCOPYRANOSIDE	--	*
BETA-TURMERONE	IC50=1.6-4.6 ug/ml	*
BETONICINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
BETULIN	--	Recio, M., et al. 1994. Investigations on the Steroidal Anti-Inflammatory Activity of Triterpenoids from <i>Diospyros leucomelas</i> *. <i>Planta Medica</i> , 61: 9.
BETULINIC-ACID	--	Recio, M., et al. 1994. Investigations on the Steroidal Anti-Inflammatory Activity of Triterpenoids from <i>Diospyros leucomelas</i> *. <i>Planta Medica</i> , 61: 9.
BIS-(4-HYDROXY-CINNAMOYL)-METHANE	--	*
BIS-DESMETHOXYCURCUMIN	--	Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
BISABOLOXIDE	--	*
BOEHMEROL-ACETATE	--	*
BOLDINE	ED50=34 mg/kg	*
BORJATRIOL	--	Barberan, F.A.T., Manez, S., and Villar*, A. Identification Of Antiinflammatory Agents From <i>Sideritis</i> Species Growing In Spain. <i>Journal of Natural Products</i> , 50: 313, 1987.
BORNEOL	--	*
BOSWELLIC-ACID	IC100=0.1 uM	*
BOSWELLIC-ACID	50 mg/kg orl rat	*
BOWDICHIONE	--	*
BRADYKININASE	--	*

Chemical	Dosage	References
BRAZILIN	--	*
BROMELAIN	--	*
BROUSSOCHALCONE-A	--	*
BRYONOLIC-ACID	--	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
BUPLEURIN	--	*
BUTEIN	--	*
BUTYLIDENE-PHTHALIDE	--	*
CAFESTOL	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CAFFEIC-ACID	--	*
CAFFEOYLMARIC-ACID	--	*
CAFFEOYLTARTARIC-ACID	--	*
CALOPHYLLIN-B	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CALOPHYLLOLIDE	40 mg/kg ipr	*
CANNABICHROMENE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CANNABIDIOL	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
CANNABIGEROL	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
CANNFLAVIN	--	*
CANNIPRENE	IC50=90 mM	*
CAPSAICIN	--	*
CARBENOXOLONE	--	*
CARBOXYTRACTYLOSIDE	--	*
CARNOSINE	--	*
CARNOSOL	--	McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. Phenolic Compounds in Food and Their Effects on Health, Ch.25.
CARVACROL	IC50=4 uM	*
CARYOPHYLLENE	IC50=100 uM	Shimizu,*M., et al. 1990. Anti-inflammatory Constituents of Topically Applied Crude Drugs. IV.1) Constituents and Anti-inflammatory Effect of Paraguayan Crude Drug 'Alhucema' (<i>Lavandula latifolia</i> Vill.)2). Chem. Pharm. Bull. 38(8): 2283-2284, 1990.
CARYOPHYLLENE-OXIDE	--	Shimizu,*M., et al. 1990. Anti-inflammatory Constituents of Topically Applied Crude Drugs. IV.1) Constituents and Anti-inflammatory Effect of Paraguayan Crude Drug 'Alhucema' (<i>Lavandula latifolia</i> Vill.)2). Chem. Pharm. Bull. 38(8): 2283-2284, 1990.
CATECHIN	IC50=80 uM (cf indomethacin IC50=1 uM)	*
CEPHARAMINE	--	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CEPHARANOLINE	--	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CEPHARANTHINE	--	*
CHAKSINE	--	*
CHAMAZULENE	--	Merck 11th Edition
CHELERYTHRINE	--	*
CHELERYTHRINE	10 mg/kg orl rat (=5 mg indomethacin)	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

Chemical	Dosage	References
CHIKUSETSUSAPONIN	--	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
CHIKUSETSUSAPONIN-V	--	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
CHLOROGENIC-ACID	--	Hagerman, A.E. Tannin-Protein Interactions. Phenolic Compounds in Food and Their Effects on Health, Ch.19.
CHLOROGENIN	--	*
CHRYSANTHEMOL	--	*
CHRYSIN-5,7-DIHYDROXYFLAVONE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CHYSOSPLENIN	--	*
CHYSOSPLENOL	--	*
CHYMOTRYPSIN	--	Martindale's 29th
CINNAMALDEHYDE	--	Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
CINNAMIC-ACID	--	*
CINNAMIC-ACID-BORNYL-ESTER	--	*
CIRSIMARITIN	IC~37=1,000 uM	*
CIRSIMARITIN	IC~50=1,000 uM	*
CIS-COMMUNIC-ACID	top	*
CIS-SPIROETHER	--	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
CITRAL	--	*
CLITORIACETAL	--	*
CNICIN	--	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
CNIDILIDE	--	*
COIXENOLIDE	--	Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
COIXOL	--	*
COLCHICINE	--	*
COLCHICOSIDE	--	*
CONIFERYL-ALDEHYDE	ED 1-10 ug/ear	*
CONJUGATED-LINOLEIC-ACID	--	Newman, R. A., Lansky, E. P., with Block, M. L. 2007. Pomegranate - The Most Medicinal Fruit. Basic Health Publications, Laguna Beach, CA. 120 pp.
COPPER	--	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
COPPER-SALICYLATE	60-120 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
COPTISINE	--	*
CORILAGIN	--	*
COUMARIN	--	Shimizu,*M., et al. 1990. Anti-inflammatory Constituents of Topically Applied Crude Drugs. IV.1) Constituents and Anti-inflammatory Effect of Paraguayan Crude Drug 'Alhucema' (<i>Lavandula latifolia</i> Vill.)2). Chem. Pharm. Bull. 38(8): 2283-2284, 1990.
CROTALOBURINE	20-Oct	*
CRYOGENINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CRYPTOAESCI	--	*
CUCURBITACIN-B	--	*
CUPARENE	--	*

Chemical	Dosage	References
CURCUMIN	1,200 mg/man/day	*
CURCUMIN	1 uM	*
CURCUMINOIDS	--	Wichtl, M. 1984. <i>Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft mbH Stuttgart.</i> 393 pp.
CYANIDIN-3-O-GLUCOSIDE	--	*
CYCLEANINE	--	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs.</i> CRC Press, Boca Raton, FL 388 pp.
CYCLOARTENOL	--	*
CYCLOBUXINE-D	--	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
CYCLOSADOL	--	*
CYTISINE	--	*
DAIDZEIN	--	*
DAMASCEINE	--	*
DAURICINE	--	*
DEHYDROCURDIONE	--	*
DEHYDROCYLOGUANANDIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
DELTA-3-CARENE	ipr	Internat. J. Oriental Med. 15(4): 194, 1990+
DEMETHOXYCURCUMIN	--	*
DEMETHYLTRANDRINE	5-25 ppm ipr	*
DESMETHOXYANGONIN	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
DIHYDROHELENALIN	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
DIHYDROHELENALIN-ESTERS	--	Wichtl, M. 1984. <i>Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft mbH Stuttgart.</i> 393 pp.
DIHYDROKAWAIN	--	*
DIHYDROMETHYSTICIN	--	*
DIOSGENIN	--	*
DIOSMIN	600 mg/kg rat	*
EDPETILINE	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
EICOSAPENTAENOIC-ACID	IC50=57 uM	*
ELAEOCARPINE	--	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., <i>Plants for Medicines,</i> CSIRO, East Melbourne, Australia, 1990, 303 pp.
ELAIDIC-ACID	IC50=54 uM	*
ELLAGIC-ACID	--	*
EMETINE	--	*
EMODIN	15 mg/kg	*
EN-YN-DICYCLOETHER	--	*
ENT-16A-,17-DIHYDROXY-KAURAN-19-OIC-ACID	--	*
EPHEDRINE	--	*
EPHEDROXANE	--	*
EPI-PROCURCUMENOL	--	*
EPICATECHIN	--	*
ERIODICTYOL	--	*
ESCI	orl	*

Chemical	Dosage	References
ESCULETIN	IC50=0.1-5 uM	*
ESCULIN	--	*
EUGENOL	(11 uM) IC~97=1,000 uM	*
EUGENYL-ACETATE	--	*
EUGLOBAL	--	*
EUPAFORMOSANIN	--	De Smet, P.A.G.M., Keller, K., Hansel, R. and Chandler, R.F., eds. 1993. Adverse Effects of Herbal Drugs 2. Springer-Verlag, Berlin. 348pp.
EUPAHYSSOPIN	2.5 mg/kg	*
EUPATOLIDE	--	De Smet, P.A.G.M., Keller, K., Hansel, R. and Chandler, R.F., eds. 1993. Adverse Effects of Herbal Drugs 2. Springer-Verlag, Berlin. 348pp.
EUXANTHONE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
FAGARAMIDE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
FARADIOL	#NAME?	*
FARADIOL-MONOESTER	1/3 indomethacin	*
FENUGREEKINE	--	Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft mbH Stuttgart. 393 pp.
FERULIC-ACID	--	Hagerman, A.E. Tannin-Protein Interactions. Phenolic Compounds in Food and Their Effects on Health, Ch.19.
FERULOYL-4-HYDROXYCINNAMOYL-METHANE	--	*
FETIDINE	--	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
FICIN	--	*
FLAVOKAWAIN-B	--	*
FORSKOLIN	--	*
FRAXIN	--	*
FRIEDELAN-3-BETA-OL	30 mg/kg	*
FRIEDELIN	30 mg/kg	*
FUMOFICIALNE	50 mg/kg	*
GALANGIN	IC50=5.5 uM	*
GALLIC-ACID	--	Kroes, B.H., et al. 1991. Anti-Inflammatory Activity of Gallic Acid. <i>Planta Medica</i> , 58(6): 499.
GALLOCATECHIN-(4ALPHA->8)- EGIGALLOCATECHIN	1/4 indomethacin	*
GALLOCATECHIN-(4ALPHA->8)- GALLOCATECHIN	1/4 indomethacin	*
GALLOCATECHIN-(4ALPHA->8)- GALLOCATECHIN-(4ALPHA->8)- GALLOCATECHIN	1/4 indomethacin	*
GAMMA-BOSWELLIC-ACID	--	*
GAMMA-TOCOPHEROL	--	*
GAULTHERIN	--	*
GENISTEIN	--	Journal of Medicinal Food 2: 179.1999.
GENTIANAINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
GENTIANAMINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemical	Dosage	References
GENTIANIDINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
GENTIANINE	--	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
GENTIOPICROSIDE	--	*
GENTISIC-ACID	--	Merck 11th Edition
GERMACRONE	--	*
GINGEROL	--	*
GINKGETIN	>1/3 indomethacin	*
GINKGOLIDE	--	*
GINKGOLIDES	--	*
GINSENOSIDE-R-O	10-200 mg/kg orl	*
GITOGENIN	--	*
GLABRIDIN	--	*
GLUCOSAMINE-SULFATE	500 mg 3 x day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
GLYCYRRHETIC-ACID	--	*
GLYCYRRHETINIC-ACID	--	*
GLYCYRRHIZIC-ACID	--	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
GLYCYRRHIZIN	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
GNAPHALIIN	1/2 indomethacin	Planta Medica, 57: A56, 1991.
GOSSYPIN	--	=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
GUAIAZULENE	--	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
HAEMOCORIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
HANFANGCHIN	--	Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
HARPAGIDE	--	Planta Medica, 55(7): 626.
HARPAGOSIDE	IC50=10 uM	*
HASTATOSIDE	--	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
HEDERAGENIN	--	*
HELENALIN	2.5 mg/kg	*
HELENALIN-ESTERS	--	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
HELLICOSIDE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
HERACLENIN	--	*
HERNANDEZINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
HESPERIDIN	IC47=50 mg/kg scu	Da Silva Emim, J.A., Oliveira, A.B. and Lapa, A.J. Pharmacological Evaluation of the Anti-inflammatory Activity of a Citrus Bioflavonoid, Hesperidin, and the Isoflavonoids, Duartin and Claussequinone, in Rats and Mice. <i>J. Pharm. Pharmacol.</i> 46:118-122,1994
HESPERIDIN	IC63=100 mg/kg scu	Da Silva Emim, J.A., Oliveira, A.B. and Lapa, A.J. Pharmacological Evaluation of the Anti-inflammatory Activity of a Citrus Bioflavonoid, Hesperidin, and the Isoflavonoids, Duartin and Claussequinone, in Rats and Mice. <i>J. Pharm. Pharmacol.</i> 46:118-122,1994
HOLAPHYLLINE	--	*
HOMOAROMOLINE	--	*

Chemical	Dosage	References
HOMOCARNOSINE	--	*
HUMULONE	1 mg mus	*
HYPACONITINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
HYPERIN	--	*
HYPEROSIDE	1/4 indomethacin	Planta Medica, 57: A131, 1991.
HYPOLAETIN-8-GLUCOSIDE	--	Jim Duke's personal files.
IMPERATORIN	--	*
INDOLE-3-CARBINOL	--	*
INOPHYLLOLIDE	ED50=40 ipr	*
INOSINE	--	*
ISOALANTOLACTONE	--	Abstract (See species file)
ISOELAEOCARPINE	--	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
ISOEUGENOL	--	*
ISOFERULIC-ACID	--	*
ISOLIQUIRITIN	--	*
ISOPIMPINELLIN	100 ppm	*
ISOPLUMBAGIN	IC60=100 mg/kg orl rat (=phenylbutazone)	*
ISOQUERCITRIN	--	*
ISOQUERCITROSIDE	1/3 indomethacin	Planta Medica, 57: A131, 1991.
ISORHAMNETIN	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
ISOTETRANDRINE	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
ISOTHYMONIN	IC~37=1,000 uM	*
ISOTRILOBINE	--	*
JACEIDIN	--	*
JALIGONIC-ACID	--	*
JATEORRHIZINE	--	*
JATRORRHIZINE	--	*
KAEMPFERIDE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
KAEMPFERITRIN	--	*
KAEMPFEROL	20 mg/kg	*
KAEMPFEROL	200 mg/kg ipr rat	*
KAEMPFEROL-4'-O-METHYLETHER	--	*
KAEMPFEROL-7-GLUCOSIDE	--	*
KAMPFEROL-7-GLUCOSIDE	--	*
KAWAIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
KOPARIN	--	*
L-EPHEDRINE	--	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.

Chemical	Dosage	References
L-GLUTATHIONE	--	Joseph, J., Nadeau, D. and Underwood, A. 2001. <i>The Color Code</i> . Hyperion, NY.
L-PULEGONE	--	*
LANCEOLARIN	--	*
LAPACHOL	ED76=100	*
LAWSARITOL	IC40=100 mg/kg orl rat	*
LAWSONE	IC60=100 mg/kg orl rat (=phenylbutazone)	*
LEIOCARPOSIDE	--	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
LEUCOANTHOCYANIDINS	--	*
LEUCODELPHINIDIN	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
LICOCHALCONE-A	--	*
LICURIZID	--	*
LIMONENE	--	*
LINALOOL	--	*
LINDLEYIN	--	*
LINOLEIC-ACID	IC50=31 uM	*
LIQUIRITIC-ACID	--	*
LIQUIRITIGENIN	--	*
LIQUIRITIN	--	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
LIQUIRITONE	--	*
LOGANIN	1/2-1/5 indomethacin	*
LUPEOL	1/3 indomethacin	*
LUPININE	--	*
LUTEOLIN	#NAME?	Wichtl, M. 1984. <i>Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart</i> . 393 pp.
LUTEOLIN-7-GLUCOSIDE	--	Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.
MADECASSOSIDE	--	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
MAGNESIUM	100 mg 4 x/day	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
MAGNOSALIN	--	*
MAGNOSHININ	--	*
MANGIFERIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
MANNITOL	--	ANON. 1948-1976. <i>The Wealth of India raw materials</i> . Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
MARGASPIDIN	50 mg/kg orl	*
MARMIN	IC62=1,000 ppm orl rat	*
MASLINIC-ACID	--	Chem & Pharm. Bull., 34: 2164, 1986.
MATRICINE	--	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
MATRINE	15-25 mg/kg ims mus	*

Chemical	Dosage	References
MAURITIANIN	--	*
MENTHOL	--	Martindale's 28th
MESACONITINE	--	*
METHYL-7-KAEMPFEROL	--	*
METHYL-SALICYLATE	--	Planta Medica, 56(6): 660, 1990.
METHYSTICIN	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
MUFA	IC50=21 uM	*
MUFAS	IC50=21 uM	*
MYRICETIN	--	Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
MYRICITRIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
MYRISTICIN	--	Jim Duke's personal files.
N-HENTRIACONTANE	--	*
NARINGENIN	20 ppm	*
NARINGENIN-7-O-BETA-D-GLUCOSIDE	20 ppm	*
NARINGIN	--	*
NEO-CHLOROGENIC-ACID	--	*
NEOISOLIQUIRITIN	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
NEOLIQUIRITIN	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
NEORUSCOGENIN	--	Tyler, V.E.. 1982. <i>The Honest Herbal</i> . George F. Stickley Co., Philadelphia PA. 263 pp.
NEPETRIN	--	Pathak, D., Pathak, K., Singla*, A.K. 1991. Flavonoids as medicinal agents - Recent advances. <i>Fitoterapia</i> 62(5): 62, 1991.
NESODINE	--	*
NEVADENSIN	75 mg/kg	<i>Fitoterapia</i> No.5-1990.
NIACINAMIDE	--	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).
NIMBIDIN	--	*
NORDIHYDROGUAIARETIC-ACID	--	*
OLEANOLIC-ACID	40 mg/kg ipr	Aquino, R., De Feo, V., De Simone, F., Pizza, C.*, and Cirino, G. Plant Metabolites. New Compounds And Anti-Inflammatory Activity Of Uncaria tomentosa. <i>Journal of Natural Products</i> , 54(2): 453-459, 1991.
OLEIC-ACID	IC50=21 uM	*
OLIVETOL	--	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
OMEGA-3-FATTY-ACIDS	--	Martindale's 29th
OPC	--	*
OPCS	--	*
ORIENTIN	--	<i>Fitoterapia</i> No.61: 263, 1990.
OSTHOL	IC62 800 ppm orl	*
PAEONIFLORIN	--	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
PAEONOL	--	*
PALMATINE	--	*
PALMIDROL	--	Merck 11th Edition
PALUSTROSIDE	--	*

Chemical	Dosage	References
PAPAIN	--	*
PARTHENOLIDE	--	*
PENTAGALLOYL-GLUCOSE	--	*
PETILINE	--	*
PHEOPHYTIN-A	--	McKenna, D. J., Hughes, K., and Jones, K. 2000. Green Tea Monograph. Alternative Therapies, 6(3): 61-82.
PHEOPHYTIN-B	--	McKenna, D. J., Hughes, K., and Jones, K. 2000. Green Tea Monograph. Alternative Therapies, 6(3): 61-82.
PHYTOLACCOSIDE	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
PINOSTROBIN	--	*
PIPERINE	10 mg/kg	Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
PLATYCODIN	200 mg/kg	*
PLUMIERIDE	--	*
PODOVERINE-A	--	*
POLYGONOLIDE	--	*
PROCURCUMENOL	--	*
PROCYANIDIN-A-2	MEC10.5=0.125 uM/l	*
PROPYL-GALLATE	--	Farnsworth, N.R. and Cordell, G.A. A Review of Some Biologically Active Compounds Isolated From Plants as Reported in the 1974-1975 Literature. <i>J. Nat. Prod.</i> 39: 420, 1976.
PROSTRATIN	--	*
PROTOCATECHUIC-ACID	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
PROTOPINE	100 mg/kg	*
PSEUDOEPHEDRINE	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
PUERARIN	--	*
PUNARNAVINE	--	*
PUNICIC-ACID	--	Newman, R. A., Lansky, E. P., with Block, M. L. 2007. Pomegranate - The Most Medicinal Fruit. Basic Health Publications, Laguna Beach, CA. 120 pp.
QUERCETIN	20-150 mg/kg	Fitoterapia No.5-1990.
QUERCETIN-3-METHYL-ETHER	--	*
QUERCETIN-3-O-BETA-D-GLUCOSIDE	--	Planta Medica, 56(6): 660, 1990.
QUERCETIN-3-O-BETA-D-GLUCURONIDE	--	Planta Medica, 56(6): 660, 1990.
QUERCETIN-3-O-GALACTOSIDE	--	Pathak, D., Pathak, K., Singla*, A.K. 1991. Flavonoids as medicinal agents - Recent advances. Fitoterapia 62(5): 62, 1991.
QUERCETIN-3-O-METHYL-ETHER	--	*
QUERCETIN-3-RHAMNOGLUCOSIDE	--	Pathak, D., Pathak, K., Singla*, A.K. 1991. Flavonoids as medicinal agents - Recent advances. Fitoterapia 62(5): 62, 1991.
QUERCETIN-PENTAMETHYL-ETHER	IC50=75	Fitoterapia No.5-1990.
QUERCITRIN	--	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
QUINOVIC-ACID	--	*
QUINOVIC-ACID-GYLCOside	--	Aquino, R., De Feo, V., De Simone, F., Pizza, C.*, and Cirino, G. Plant Metabolites. New Compounds And Anti-Inflammatory Activity Of Uncaria tomentosa. <i>Journal of Natural Products</i> , 54(2): 453-459, 1991.
RESINIFERATOXIN	--	*

Chemical	Dosage	References
RESVERATROL	IC50=2.6 uM	*
RICINOLEIC-ACID	IC50=41 uM	*
ROSMARINIC-ACID	IC~58=1,000 uM	*
RUSCOGENIN	--	*
RUTIN	20 mg/kg	*
S-ADENOSYLMETHIONINE	1,200 mg/day	*
SABIANINE	--	Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
SAIKOSAPONIN	10 mg/kg ip	Internat. J. Oriental Med. 15(4): 194, 1990+
SAIKOSAPONIN-A	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
SAIKOSAPONIN-D	--	*
SALICIN	--	Planta Medica, 56(6): 660, 1990.
SALICYL-SALICYLIC-ACID	--	Martindale's 28th
SALICYLAMIDE	--	Martindale's 28th
SALICYLATES	--	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
SALICYLIC-ACID	--	Pharmazie, 46: 156, 1991.
SALIGENIN	--	Planta Medica, 56(6): 660, 1990.
SANGUINARINE	--	Merck 11th Edition
SANTAMARIN	--	*
SANTAMARINE	--	*
SCANDENOLIDE	--	*
SCIADOPITYSIN	1/3 indomethacin	*
SCOPARONE	--	*
SCOPOLAMINE	--	*
SCOPOLETTIN	ED 1-10 ug/ear	*
SHEGANSU-A	--	*
SHIKONIN	--	*
SHOGAOL	--	*
SIDERITOFLAVONE	--	Barberan, F.A.T., Manez, S., and Villar*, A. Identification Of Antiinflammatory Agents From Sideritis Species Growing In Spain. Journal of Natural Products, 50: 313, 1987.
SILYMARIN	--	*
SINAPALDEHYDE	--	*
SINOACUTINE	IC26=300 ppm orl	*
SINOMENINE	--	*
SODIUM-CURCUMATE	>Phenylbutazone	*
SOLASODINE	--	*
SPARTEINE	--	*
SPINOSIN	ED50=150 (ipr mus)	*
STIGMASTEROL	--	Lawrence Review of Natural Products, 1995
SUPEROXIDE-DISMUTASE	--	*
SYRINGALDEHYDE	ED=20 ug/ear	*

Chemical	Dosage	References
TANSHINONE	--	*
TARAXASTEROL	1/2 indomethacin	*
TARAXASTEROL-ACETATE	--	*
TASPINE	--	*
TAXIFOLIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
TECTORIDIN	--	*
TECTORIGENIN	--	*
TERNOSIDE	--	*
TETRAHYDROCURCUMIN	>Phenylbutazone	Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
TETRANDRINE	--	*
THALCIMENE	--	*
THALFOETIDINE	--	*
THALICSIMINE	25-May	*
THALMINE	--	*
THALSIMINE	--	*
THYMOL	(=indomethacin)	*
TOCOPHEROL	--	*
TOMATINE	--	*
TOMENTOLIDE-A	40 ipr	Farnsworth, N.R. and Cordell, G.A. A Review of Some Biologically Active Compounds Isolated From Plants as Reported in the 1974-1975 Literature. <i>J. Nat. Prod.</i> 39: 420, 1976.
TOMENTOLIDE-B	40 ipr	Farnsworth, N.R. and Cordell, G.A. A Review of Some Biologically Active Compounds Isolated From Plants as Reported in the 1974-1975 Literature. <i>J. Nat. Prod.</i> 39: 420, 1976.
TREMULACIN	--	<i>Planta Medica</i> , 56(6): 660, 1990.
TRIETHYLCURCUMIN	--	*
TRILOBINE	--	*
TUBEROSINE	--	*
TYLOPHORINE	--	*
UMBELLIFERONE	--	*
UROLITHIN-A	--	*
URSOLIC-ACID	IC24=500 mg/kg	*
URSOLIC-ACID	1/3 indomethacin	*
VANILLIC-ACID	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
VERBASCOSIDE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
VICENIN-2	ED50=148 (ipr mus)	*
VITAMIN-E	--	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reservse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
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WEDELOLACTONE	--	*
WITHAFERIN-A	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
WITHANOLIDE	--	*

Chemical	Dosage	References
WITHANOLIDE-D	--	Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
WOGONIN	IC50=75	Fitoterapia No.5-1990.
XANTHOHUMOL	--	*
XANTHOTOXIN	20 mg/man/day	*
YANGONIN	--	*
ZINGERONE	--	*
ZYGOPHYLLIN	--	*